

U.S. DEPARTMENT OF AGRICULTURE  
FOREST SERVICE

SPECIFICATION FOR

SHEATHS, TOOL, LEATHER (FOR AXES AND PULASKI TOOL)

1. GENERAL.

1.1. Purpose and Description. This specification covers five types of axe sheaths which are used to prevent injury to personnel and pack animals and also protect cutting edges of the tools during transport in vehicles.

1.2. Contracting Officers's Instructions.

1.2.1. Required Options. Bid invitations and orders must specify options selected by the contracting officer under the following paragraph:

4. Method of Sampling, Inspection and Tests. Specify arrangements for inspection and tests.

1.2.2. Other Options. If desired, bid invitations and orders may specify options selected by the contracting officer under the following paragraph:

5. Preparation for Delivery. If preparation for delivery is to be other than as specified, state instructions.

2. APPLICABLE DOCUMENTS.

The following documents of the issue in effect on the date of invitation for bids are a part of this specification to the extent herein specified:

Federal Specifications and Standards

PPP-B-636	Box, Fiberboard
PPP-B-566	Boxes, Folding, Paperboard
PPP-B-665	Boxes, Paperboard, Metal Stayed
PPP-B-676	Boxes, Setup
KK-L-156	Leather, Cattlehide, Harness, Vegetable Tanned
KK-L-271	Leather, Cattlehide, Strap, Vegetable Tanned
V-T-291	Thread, Linen
FED-STD-123D	Marking for Domestic Shipment (Civilian Agencies)
FED-STD-751	Stitches, Seams and Stitching

Military Specifications and Standards

MIL-STD-105D	Sampling Procedures and Tables for Inspection by Attributes
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## Drawings

### USDA--Forest Service

MEDC-621	Sheath, Leather, Ax, Type A Double Bit (Western)
MEDC-622	Sheath, Leather, Ax, Type C Double Bit (Cruiser)
MEDC-623	Sheath, Leather, Ax, Type D (Boys)
MEDC-624	Sheath, Leather, Pulaski Tool

NOTE: Copies of Government documents required by contractors in connection with specific procurement functions should be obtained from the procuring activity or as directed by the contracting officer.

### 3. REQUIREMENTS.

3.1. Design and Types. This specification covers three basic designs and five types of sheaths as follows:

Type A - for double-bitted axe, 3-1/2 pound, Western Style (Dwg. MEDC-621)

Type C - for double-bitted axe, 2-1/2 pound, Cruiser Style (Dwg. MEDC-622)

Type D - for single-bitted axe, 2-1/4 pound, Chopping - Dayton Pattern (Dwg. MEDC-623)

Type E - for pulaski tool (Dwg. MEDC-624)

3.2. Materials and Construction. Materials and construction shall be as hereinafter specified and detailed on the drawings (MEDC-621, MEDC-622, MEDC-623 and MEDC-624) herein contained. Quantities of materials required shall be determined by the contractor from the drawings.

### 4. METHOD OF SAMPLING, INSPECTION AND TESTS

4.1. General. The contractor shall be responsible for the performance of all inspection and test requirements as specified herein prior to submission for Government acceptance inspection and tests. Unless otherwise stated herein or on contract or purchase order, the contractor may utilize his own facilities or any commercial testing laboratory acceptable to the Government. The government reserves the right to perform any of the inspections set forth in this specification where such inspections are deemed necessary to assure that the product conforms to specified requirements.

Any Government inspections and tests to verify conformance with specification requirements shall be made at places and under arrangements specified by the Government inspector. In case of factory inspections, the contractor shall furnish the Government inspector all reasonable facilities for his work.

4.2. Sampling for Acceptance Inspection. Sampling for inspection shall be performed in accordance with MIL-STD-105D, General Inspection Level I, except where otherwise hereinafter indicated.

4.3. Inspection and Tests

4.3.1. Visual and Dimensional Inspection. Each of the samples selected according to 4.2. shall be visually and dimensionally examined to verify compliance with all requirements specified herein.

4.3.1.1. Classification of Defects and AQL's. Classification of defects shall be in accordance with MIL-STD-105D and Table I herein.

The Acceptable Quality Levels (AQL's) expressed in percent defective shall be as follows:

For Major Defects ----- 4.0

For Minor Defects ----- 10.0

TABLE I.--CLASSIFICATION OF DEFECTS

Examine	Defect	CLASSIFICATION	
		Major	Minor
Materials (General)	Any materials not in accordance with specified requirements	X	
Cutting	Any component part not cut in conformance with patterns or in accordance with specification requirements.	X	
Dimensions	Finished dimensions not in accordance with the drawings, including allowable tolerances.	X	
	Location of dimensions not within specified tolerance.		X
Stitching	Not as specified and detailed on drawings, including NOTES.		
Rivets	One or more rivets set too loose or too tight which could cause failure of finished product to serve intended use.	X	
Components and Assembly	Any components omitted or not as specified or any misassembly of components.	X	
Thread and Stitching:			
Stitch type	Thread not as specified	X	
	Wrong stitch type	X	
Stitching Tension	Tension loose, resulting in loose bobbin or top thread.		X
Stitches per inch	One to two stitches less than minimum specified.		
	Three or more stitches less than minimum specified.		
	One or more stitches in excess of maximum specified.		

NOTE: Thread and stitching defects applicable only when contractor exercises option on riveting and sewing (ref. Dwgs. MEDC-621 and MEDC-622).

4.3.2. Lot Acceptance Test. Testing of materials shall be in accordance with applicable methods defined in the specifications herein referenced for the components used in fabrication of the product. Testing of component materials shall be required only when the supplier cannot provide evidence of compliance acceptable to the Government inspector.

5. PREPARATION FOR DELIVERY.

5.1. General. Unless otherwise specified by the contracting officer of the procuring activity, the preparation for delivery requirements shall be as hereinafter defined.

5.2. Preservation and Packaging.

5.2.1. Packaging. Each sheath shall be packaged in a paperboard box conforming to PPP-B-566, PPP-B-665; or PPP-B-676. Size of boxes shall be compatible with type of sheath.

5.2.2. Packing. Thirty-six (36) packaged sheaths (see 5.2.1.) shall be packed in a fiberboard box; Type CF or SF, Variety SW or DW, Class - Domestic, Grade 275 minimum and otherwise conforming to PPP-B-636.

5.3. Marking. Each shipping container (see 5.2.2.) shall be marked in accordance with FED-STD-123D, and shall include the contract and purchase order numbers.

6. NOTES.

6.1. Preparing Activity. USDA Forest Service, Missoula Equipment Development Center, Missoula, Montana.

NOTICE: When Government drawings, specifications or other data are used for any purpose other than in connection with a definitely related Government procurement operation, the United States Government thereby incurs no responsibility nor any obligation whatsoever.

FSC 8465